**JENSEN BIOSERIES & INFRASTRUCTURE STORMVAULT BIOFILTRATION 8200 to TREAT THE ENTIRE 5QCF AT A RATE OF 0.10 INCHES PER HOUR WHEN USING UPGRADED PUBLIC DOMAIN BIO SOL MEDIA.**

**JENSEN BIOSERIES & INFRASTRUCTURE STORMVAULT BIOFILTRATION DESIGNED TO TREAT THE ENTIRE 5QCF AT A RATE OF 0.10 INCHES PER HOUR WHEN USING JENSEN'S ENGINEERED SIERRA BLEND BIO SOL MEDIA.**

1. JENSEN'S STORMVAULT BIORETENTION (SVBF) DESIGNED AND SIZED TO TREAT THE ENTIRE 5QCF.
2. CAPTURED WATER QUALITY CONSTITUENTS:
   - TOTAL SUSPENDED SOLIDS (TSS)
   - PHOSPHORUS
   - TOTAL AND DIS Sahgyd SOL MEDIA
   - OIL/GREASE
   - REGAL COLOMBIA
3. CONSTRUCTION & INSTALLATION NOTES
   1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS IN FIELD PRIOR TO INSTALLATION.
   2. THE CONNECTION BETWEEN THE INTERNAL DEEPIRAING OF THE INGOT SHALL BE MADE USING CONNECTORS CONFORMING TO ASTM C323, AS MADE BY KOR-N-SEAL, A-LOC, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
   3. CONTRACTOR MAY ALSO GRAB IT AND ALL PIPE CONNECTIONS IN PRECAST CONCRETE SYSTEMS IN FIELD AS NECESSARY.
   4. CONTRACTOR TO PROVIDE FIELD POUR OF CEMENT TO THE KNOWN HEIGHT ON THE SITE DRAWINGS AS NECESSARY.
   5. THE CONNECTION BETWEEN THE INTERNAL DEEPIRAING OF THE INGOT SHALL BE MADE USING A RESILIENT CONNECTOR CONFORMING TO ASTM C323, AS MADE BY KOR-N-SEAL, A-LOC, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
   6. VAPORIZATION, EVAPORATION, SUBGRADE, AND BARRIER TO BE DESIGNED BY OTHERS.
   7. TAX PIPES IN THE BIBLIOGRAPHIC TOP OF WALLS TO BE帰りせる IN FIELD ALLOWING FOR CONSTRUCTION OF CONTINUOUS STREETS AND LANDSCAPE FEATURES.
   8. PUMP PIPES CAN BE LOCATED ON ANY SIDE OF THE INGOT AND THE SIDE WILL VARY FROM DESIGN.

**MATERIALS & DESIGN PARAMETERS**

1. ALL DIMENSIONS ARE IN DECIMAL INCHES.
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH Fc = 1,500 psi AT 28 DAYS.
4. VAPORIZATION, EVAPORATION, SUBGRADE, AND BARRIER TO BE DESIGNED BY OTHERS.
5. ALL PRECAST CONCRETE components TO BE MANUFACTURED IN AN NYA CERTIFIED PLANT.
6. IF REQUIRED, DRAIN WILL FILL A SUCCESSFUL BREAK FREEZING WALL OF FLEXIBLE DRA FOR WATERPROOFING GETTING AROUND ENTIRE INSIDE SURFACE OF SWBF.
7. BRIDGING STONE IN Mixture OF ASTM A 843 CS 20 PIPE.
8. GROUNDWATER ELEVATION ASSUMED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE.
9. CONTACT JENSEN STORMWATER SYSTEMS FOR HIGH GROUNDWATER CONDITIONS.
11. FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN STORMWATER SYSTEMS.
12. JENSEN STORMWATER SYSTEMS TO RENDER ALL MATERIALS AS SHOWN, UNLESS OTHERWISE NOTED.
13. ALL CONCRETE COMPONENT THICKNESSES, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY ACROSS JENSEN PRECAST'S MANUFACTURING FACILITIES.

**TREATMENT**

<table>
<thead>
<tr>
<th>BIO SOL MEDIA</th>
<th>PUBLIC DOMAIN BIO SOL MEDIA*</th>
<th>JENSEN’S SIERRA BLEND **</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 IN/H R</td>
<td>193 IN/H R</td>
<td>2.5 GPM/FT²</td>
</tr>
<tr>
<td>0.1 GPM/FT²</td>
<td></td>
<td>0.015 CFS</td>
</tr>
</tbody>
</table>

**SVBF-UV 8X10 MODEL**

**STORMVAULT BIOFILTRATION UNDERGROUND VAULT**

**STORMWATER QUALITY DESIGN FLOW (SQCF): X X X X-CFS**

**STORM DRAIN DESIGN CONVEYANCE FLOW: X X X X-CFS**

**RETURN REGRESSIVE / PERIOD OF REASgment DESIGN CONVEYANCE FLOW: XX-YRS**

**HYDRAULICS**

**STORMVAULT BIOFILTRATION (SVBF) CONFIGURATION: UNDERGROUND VAULT (UV)**

**MODEL: SVBF-UV 8X10**

**SECTION B-B**

**SECTION A-A**

**ISOMETRIC VIEW**

**PLAN VIEW**